Reagent: NC-37 Cells

Catalog Number: 9936

Lot Number: 070575

Release Category: A

Provided: $1.4 \times 10^7$ cells/vial. Viability, 95%.

Cell Type: Human B cell line

Propagation Medium: RPMI 1640, 90%; fetal bovine serum, 10%.

Freeze Medium: RPMI 1640, 70%; fetal bovine serum, 20%; DMSO, 10%.

Growth Characteristics: Suspension cell line. Doubling time of approximately 20 hours. Maintain cultures at $5 \times 10^5$ cells/mL.

Morphology: Lymphocytic.

Sterility: Negative for mycoplasma, bacteria and fungi.

Description: Epstein Barr Virus (EBV)-positive Burkitt’s lymphoma line genetically distinct from Raji cells

Special Characteristics: Epstein Barr Virus (EBV)-positive Burkitt’s lymphoma line obtained from the ATCC. Although unclear in the ATCC description, NC-37 cells are genetically distinct from Raji cells (Cat# 9944). This was verified through DNA sequence comparison of a number of polymorphic loci as described in the reference below. Used as the parental line in deriving NC-37/DC-SIGN cells (Cat# 9937). Negative control cell line used in DC-SIGN-mediated HIV transmission assays.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.
Recommended Storage: Liquid nitrogen.

Contributor: Drs. Li Wu and Vineet N. KewalRamani, HIV Drug Resistance Program, NCI.


NOTE: Acknowledgment for publications should read “The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: NC-37 Cells from Drs. Li Wu and Vineet N. KewalRamani.” Also include the reference cited above in any publications.

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